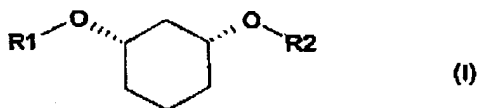


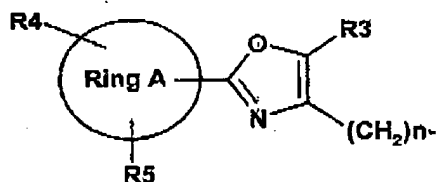
We claim:

1 (currently amended). A process for preparing a chiral, nonracemic compound of the formula I



where:

R' is



where:

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one to four heteroatoms from the group of N, O and S, 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

R<sup>3</sup> is H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

R<sup>4</sup>, R<sup>5</sup> are H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, OCF<sub>2</sub>H, OCF<sub>2</sub>-CF<sub>3</sub>, OCF<sub>2</sub>-CHF<sub>2</sub>, SCF<sub>3</sub>, O-phenyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>3</sub>)-alkyl;

n is from 1 to 3;

and

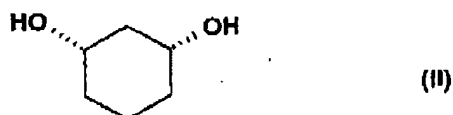
R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole;

which comprises

[[A)]]

a) alkylation (alk-R<sup>2</sup>)

reacting cis-1,3-cyclohexanediol of the formula (II)



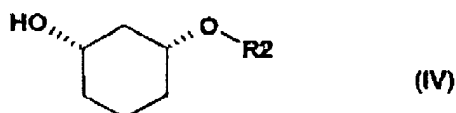
with a compound of the formula (III)



where R<sup>2</sup> is as defined above and

X<sup>1</sup> is Cl, Br, I, OMs, OTs, OTf;

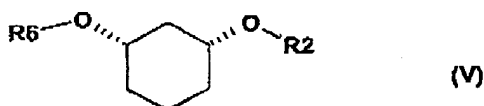
in the presence of bases in a suitable solvent to give a racemic compound of the formula (IV)



where R<sup>2</sup> is as defined above;

b1) enzymatic ester formation (EF) + separation (S)

subjecting the resulting compounds of the formula (IV) to stereoselective enzymatic ester formation (EF), in which the alcohols are admixed with an acyl donor and the enzyme in an organic solvent and the resulting mixture is stirred at -20 to 80°C and, after the reaction has ended, one stereoisomer is present as an ester of the formula (V)



where

R<sup>6</sup> is C(=O)-(C<sub>1</sub>-C<sub>16</sub>)-alkyl, C(=O)-(C<sub>2</sub>-C<sub>16</sub>)-alkenyl, C(=O)-(C<sub>3</sub>-C<sub>16</sub>)-alkynyl, C(=O)-(C<sub>3</sub>-C<sub>16</sub>)-cycloalkyl, where one or more carbon atoms may be replaced by oxygen atoms and be substituted by 1-3 substituents from the group of F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, hydroxyl, methoxy, ethoxy, phenyl and CO-O(C<sub>1</sub>-C<sub>4</sub>)-alkyl, CO-O(C<sub>2</sub>-C<sub>4</sub>)-alkenyl, which may in turn be substituted by 1-3 substituents from the group of F, Cl, Br, CF<sub>3</sub>, and

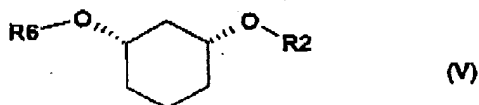
R<sup>2</sup> is as defined above,

and the other stereoisomer is present unchanged as the alcohol of the formula (IV), and are therefore separated from each other by utilizing their different chemical or physicochemical properties (separation S)

or

b2) enzymatic ester hydrolysis [chemical esterification (CE) + enzymatic hydrolysis (EH)] + separation (S)

subjecting the resulting compound of the formula (IV) to a stereoselective enzymatic ester hydrolysis, in which the racemic alcohol is initially converted by chemical esterification (CE), for example by means of acid chloride  $R^6\text{-Cl}$  or acid anhydride  $R^6\text{-O-R}^6$ , in the presence of bases, to the racemic ester of the formula (V)



where  $R^6$  and  $R^2$  are each as defined above,

which, to carry out the stereoselective enzymatic ester hydrolysis (EH), is then taken up in homogeneous or heterogeneous, aqueous, aqueous-organic or organic medium, and reacted, in the presence of an enzyme in the case of hydrolysis with water and in the case of alcoholysis with an alcohol, at a temperature of 10-80°C, and after the reaction has ended, one stereoisomer is present as the alcohol of the formula (IV) and the other is present unchanged as the ester of the formula (V) and can thus be separated from each other as described under b1), and

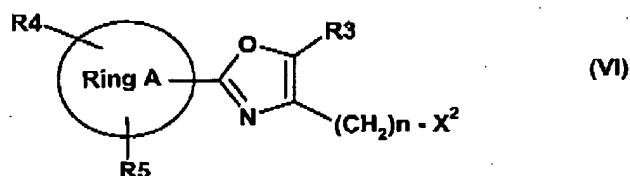
the enantiomer of the formula (IV) occurring as an alcohol is further processed as described under d), or

c) chemical hydrolysis (CH)

hydrolyzing the enantiomer of the formula (V) occurring as an ester to the chemically enantiomeric alcohol by known methods and

d) alkylation (alk- $R^1$ )

reacting further with a compound of the formula (VI)



where

ring A,  $R^3$ ,  $R^4$ ,  $R^5$  and n are each as defined above and

$X^2$  is Cl, Br, I, OTs, OMs, OTf;

in the presence of bases in a suitable solvent to give the compound of the formula (I).

2 (canceled)

3 (previously presented). The process of claim 1, wherein compounds of the formula (III)



are used where

$X^1$  is Cl, Br, I, OMs or OTs.

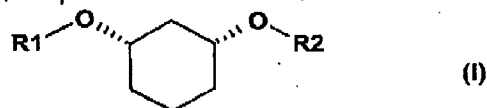
4 (previously presented). The process of claim 3, wherein compounds of the formula (III)



are used where

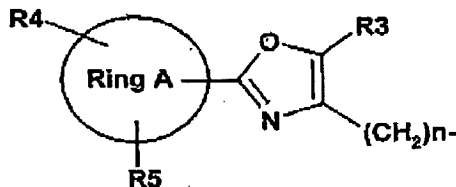
$X^1$  is Cl, Br or I.

5 (currently amended). The process of claim 1, wherein a compound of the formula (I)



is prepared where:

$R^1$  is



where

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one or more heteroatoms from the group of N, O and S, fused/bicyclic 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

$R^3$  is H, CF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

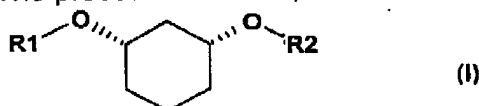
$R^4, R^5$  are H, F, Br,  $CF_3$ ,  $OCF_3$ ,  $(C_1-C_6)$ -alkyl,  $O-(C_1-C_6)$ -alkyl;

$n$  is from 1 to 2 and

$R^2$  is  $(C_1-C_8)$ -alkyl where one or more  $CH_2$  groups in the alkyl groups may be replaced by O, CO, S, SO or  $SO_2$ , and alkyl may be one to trisubstituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHBoc,  $NH-CO-C(CH_3)_3$ , hydroxyl,  $OCF_3$ ,  $O-(C_1-C_6)$ -alkyl, COOH, CO-benzyloxy,  $CO-O(C_1-C_6)$ -alkyl, tetrazole, thiazolidin-2,4-dione, indole and  $(C_6-C_{10})$ -aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHTs, NHBoc, NHCbz,  $NH-CO-C(CH_3)_3$ , hydroxyl,  $OCF_3$ ,  $O-(C_1-C_6)$ -alkyl, COOH, CO-benzyloxy,  $CO-O(C_1-C_6)$ -alkyl,  $(C_1-C_6)$ -alkyl,  $O-(C_1-C_6)$ -alkyl or tetrazole.

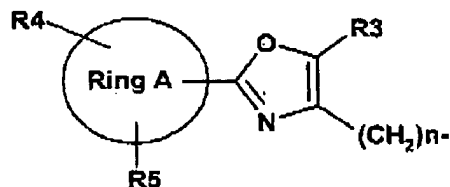
6 (currently amended).

The process of claim 5, wherein a compound of the formula (I)



is prepared where:

$R^1$  is



where

ring A is phenyl;

$R^3$  is  $(C_1-C_4)$ -alkyl;

$R^4, R^5$  are H,  $(C_1-C_4)$ -alkyl,  $O-(C_1-C_4)$ -alkyl;

$n$  is 1 and

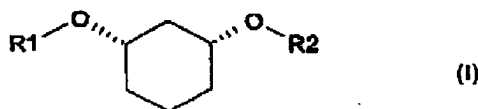
$R^2$  is  $(C_1-C_8)$ -alkyl where one or more  $CH_2$  groups in the alkyl groups may be replaced by O, CO, S, SO or  $SO_2$ , and alkyl may be one to trisubstituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHBoc,  $NH-CO-C(CH_3)_3$ , hydroxyl,  $OCF_3$ ,  $O-(C_1-C_6)$ -alkyl, COOH, CO-benzyloxy,  $CO-O(C_1-C_6)$ -alkyl, tetrazole, thiazolidin-2,4-dione, indole and  $(C_6-C_{10})$ -aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHTs, NHBoc, NHCbz,  $NH-CO-C(CH_3)_3$ , hydroxyl,

OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

7 (previously presented). The process as claimed in any of claims 1, 3, 4, 5 or 6, wherein the compound of the formula (I) is (1R,3S)-2-{3-[2-(3-methoxyphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl}-6-methylbenzoic acid.

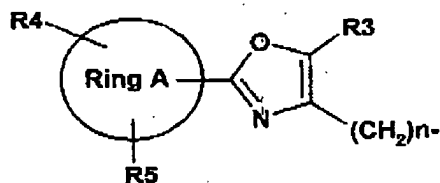
8 (previously presented). The process as claimed in any of claims 1, 3, 4, 5 or 6, wherein the compound of the formula (I) is (1R,3S)-2-{3-[2-(4-methylphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl}-6-methylbenzoic acid.

9 (currently amended). A process for preparing a chiral, nonracemic compound of the formula I



where:

R<sup>1</sup> is



where:

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one to four heteroatoms from the group of N, O and S, 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

R<sup>3</sup> is H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

R<sup>4</sup>, R<sup>5</sup> are H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, OCF<sub>2</sub>H, OCF<sub>2</sub>-CF<sub>3</sub>, OCF<sub>2</sub>-CHF<sub>2</sub>, SCF<sub>3</sub>, O-phenyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>3</sub>)-alkyl;

n is from 1 to 3;

and

R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn may be substituted by F,

-7-

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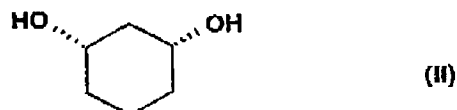
Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole;

which comprises

[[A]]

a) alkylation (alk-R1)

reacting cis-1,3-cyclohexanediol of the formula (II)



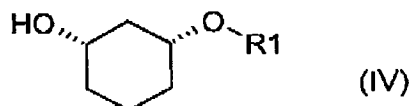
with a compound of the formula (III)



where R<sup>1</sup> is as defined above and

X<sup>1</sup> is Cl, Br, I, OMs, OTs, OTf;

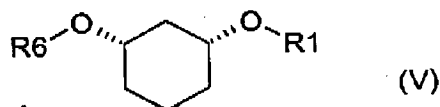
in the presence of bases in a suitable solvent to give a racemic compound of the formula (IV)



where R<sup>1</sup> is as defined above;

b1) enzymatic ester formation (EF) + separation (S)

subjecting the resulting compounds of the formula (IV) to stereoselective enzymatic ester formation (EF), in which the alcohols are admixed with an acyl donor and the enzyme in an organic solvent and the resulting mixture is stirred at -20 to 80°C and, after the reaction has ended, one stereoisomer is present as an ester of the formula (V)



where

R<sup>6</sup> is C(=O)-(C<sub>1</sub>-C<sub>16</sub>)-alkyl, C(=O)-(C<sub>2</sub>-C<sub>16</sub>)-alkenyl, C(=O)-(C<sub>3</sub>-C<sub>16</sub>)-alkynyl, C(=O)-(C<sub>3</sub>-C<sub>16</sub>)-cycloalkyl, where one or more carbon atoms may be replaced by oxygen atoms and be substituted by 1-3 substituents from the group of F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, hydroxyl, methoxy, ethoxy, phenyl and CO-O(C<sub>1</sub>-C<sub>4</sub>)-alkyl, CO-O(C<sub>2</sub>-C<sub>4</sub>)-

alkenyl, which may in turn be substituted by 1-3 substituents from the group of F, Cl, Br, CF<sub>3</sub>, and

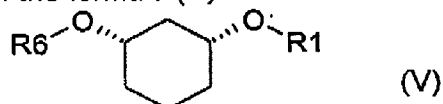
R<sup>1</sup> is as defined above,

and the other stereoisomer is present unchanged as the alcohol of the formula (IV), and are therefore separated from each other by utilizing their different chemical or physicochemical properties (separation S)

or

b2) enzymatic ester hydrolysis [=chemical esterification (CE) + enzymatic hydrolysis (EH)] + separation (S)

subjecting the resulting compound of the formula (IV) to a stereoselective enzymatic ester hydrolysis, in which the racemic alcohol is initially converted by chemical esterification (CE), for example by means of acid chloride R<sup>6</sup>-Cl or acid anhydride R<sup>6</sup>-O-R<sup>6</sup>, in the presence of bases, to the racemic ester of the formula (V)



where R<sup>6</sup> and R<sup>1</sup> are each as defined above,

which, to carry out the stereoselective enzymatic ester hydrolysis (EH), is then taken up in homogeneous or heterogeneous, aqueous, aqueous-organic or organic medium, and reacted, in the presence of an enzyme in the case of hydrolysis with water and in the case of alcoholysis with an alcohol, at a temperature of 10-80°C, and after the reaction has ended, one stereoisomer is present as the alcohol of the formula (IV) and the other is present unchanged as the ester of the formula (V) and can thus be separated from each other as described under b1), and

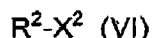
the enantiomer of the formula (IV) occurring as an alcohol is further processed as described under d), or

c) chemical hydrolysis (CH)

hydrolyzing the enantiomer of the formula (V) occurring as an ester to the chemically enantiomeric alcohol by known methods and

d) alkylation (alk-R<sup>2</sup>)

reacting further with a compound of the formula (VI)



where

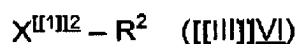


$R^2$  is as defined above and

$X^2$  is Cl, Br, I, OTs, OMs, OTf;

in the presence of bases in a suitable solvent to give the compound of the formula (I).

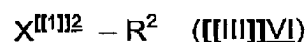
10 (currently amended). The process of Claim 9, wherein compounds of the formula ([III]VI)



are used where

$X^{[III]}$  is Cl, Br, I, OMs or OTs.

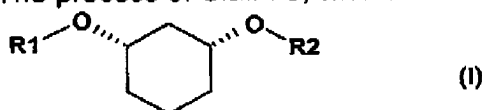
11 (currently amended). The process of Claim 10, wherein compounds of the formula ([III]VI)



are used where

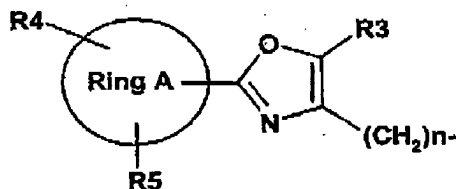
$X^{[III]}$  is Cl, Br or I.

12 (currently amended). The process of Claim 9, wherein a compound of the formula (I)



is prepared where:

$R^1$  is



where

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one or more heteroatoms from the group of N, O and S, fused/bicyclic 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

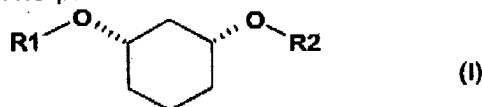
$R^3$  is H,  $CF_3$ , (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

$R^4$ ,  $R^5$  are H, F, Br,  $CF_3$ ,  $OCF_3$ , (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;

$n$  is from 1 to 2 and

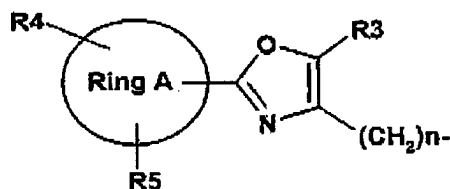
$R^2$  is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more  $CH_2$  groups in the alkyl groups may be replaced by O, CO, S, SO or  $SO_2$ , and alkyl may be one to trisubstituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl,  $OCF_3$ , O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzoyl, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn may be substituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl,  $OCF_3$ , O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzoyl, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

13 (currently amended). The process of Claim 12, wherein a compound of the formula (I)



is prepared where:

$R^1$  is



where

ring A is phenyl;

$R^3$  is (C<sub>1</sub>-C<sub>4</sub>)-alkyl;

$R^4$ ,  $R^5$  are H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl;

$n$  is 1 and

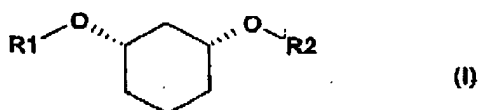
$R^2$  is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more  $CH_2$  groups in the alkyl groups may be replaced by O, CO, S, SO or  $SO_2$ , and alkyl may be one to trisubstituted by F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl,  $OCF_3$ , O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzoyl, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and

(C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

14 (previously presented). The process as claimed in any of claims 9-13, wherein the compound of the formula (I) is (1R,3S)-2-{3-[2-(3-methoxyphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl}-6-methylbenzoic acid.

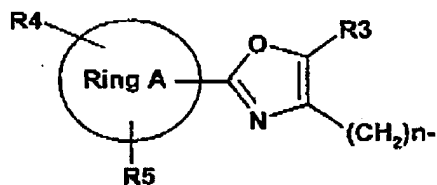
15 (previously presented). The process as claimed in any of claims 9-13, wherein the compound of the formula (I) is (1R,3S)-2-{3-[2-(4-methylphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl}-6-methylbenzoic acid.

16 (currently amended). A process for preparing a chiral, nonracemic compound of the formula I



where:

R<sup>1</sup> is



where:

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one to four heteroatoms from the group of N, O and S, 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

R<sup>3</sup> is H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

R<sup>4</sup>, R<sup>5</sup> are H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, OCF<sub>2</sub>H, OCF<sub>2</sub>-CF<sub>3</sub>, OCF<sub>2</sub>-CHF<sub>2</sub>, SCF<sub>3</sub>, O-phenyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>3</sub>)-alkyl;

n is from 1 to 3;

and

R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH,

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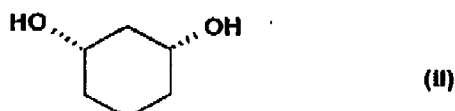
CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole;

which comprises

[[A]]

a) alkylation (alk-PG)

reacting cis-1,3-cyclohexanediol of the formula (II)



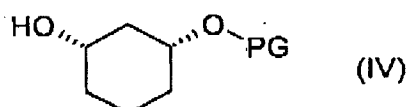
with a compound of the formula (IIIa)



where PG is an OH protecting group, for example benzyloxymethyl, benzyl, para-methoxybenzyl or tert-butyldimethylsilyl; and

X<sup>1</sup> is Cl, Br, I, OMs, OTs, OTf;

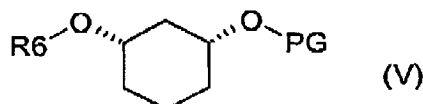
in the presence of bases in a suitable solvent to give a racemic compound of the formula (IV)



where PG is as defined above;

b1) enzymatic ester formation (EF) + separation (S)

subjecting the resulting compounds of the formula (IV) to stereoselective enzymatic ester formation (EF), in which the alcohols are admixed with an acyl donor and the enzyme in an organic solvent and the resulting mixture is stirred at -20 to 80°C and, after the reaction has ended, one stereoisomer is present as an ester of the formula (V)



where

$R^6$  is  $C(=O)-(C_1-C_{16})$ -alkyl,  $C(=O)-(C_2-C_{16})$ -alkenyl,  $C(=O)-(C_3-C_{16})$ -alkynyl,  $C(=O)-(C_3-C_{16})$ -cycloalkyl, where one or more carbon atoms may be replaced by oxygen atoms and be substituted by 1-3 substituents from the group of F, Cl, Br,  $CF_3$ , CN,  $NO_2$ , hydroxyl, methoxy, ethoxy, phenyl and  $CO-O(C_1-C_4)$ -alkyl,  $CO-O(C_2-C_4)$ -alkenyl, which may in turn be substituted by 1-3 substituents from the group of F, Cl, Br,  $CF_3$ , and

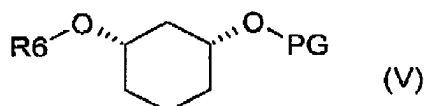
PG is as defined above,

and the other stereoisomer is present unchanged as the alcohol of the formula (IV), and are therefore separated from each other by utilizing their different chemical or physicochemical properties (separation S)

or

b2) enzymatic ester hydrolysis [=chemical esterification (CE) + enzymatic hydrolysis (EH)] + separation (S)

subjecting the resulting compound of the formula (IV) to a stereoselective enzymatic ester hydrolysis, in which the racemic alcohol is initially converted by chemical esterification (CE), for example by means of acid chloride  $R^6-Cl$  or acid anhydride  $R^6-O-R^6$ , in the presence of bases, to the racemic ester of the formula (V)



where  $R^6$  and PG are each as defined above,

which, to carry out the stereoselective enzymatic ester hydrolysis (EH), is then taken up in homogeneous or heterogeneous, aqueous, aqueous-organic or organic medium, and reacted, in the presence of an enzyme in the case of hydrolysis with water and in the case of alcoholysis with an alcohol, at a temperature of 10-80°C, and after the reaction has ended, one stereoisomer is present as the alcohol of the formula (IV) and the other is present unchanged as the ester of the formula (V) and can thus be separated from each other as described under b1), and

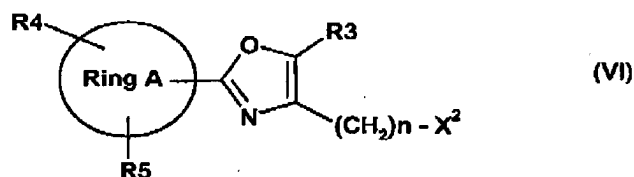
the enantiomer of the formula (IV) occurring as an alcohol is further processed as described under d), or

c) chemical hydrolysis (CH)

hydrolyzing the enantiomer of the formula (V) occurring as an ester to the chemically enantiomeric alcohol by known methods and

d) alkylation (alk- $R^1$ )

reacting further with a compound of the formula (VI)



where

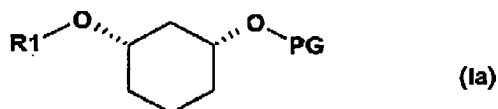
ring A, R<sup>3</sup>, R<sup>4</sup>, R<sup>5</sup> and n are each as defined above and

X<sup>2</sup> is Cl, Br, I, OTs, OMs, OTf;

in the presence of bases in a suitable solvent to give the compound of the formula (Ia) as defined below, and

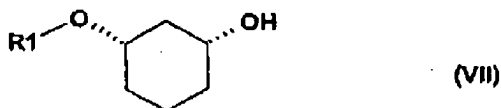
e) detachment of the protecting group PG (detPG)

converting the compound of the formula (Ia)



where R<sup>1</sup> and PG are each as defined above,

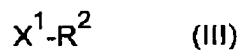
by detaching the protecting group by known methods to a compound of the formula (VII)



where R<sup>1</sup> is as defined above,

f) alkylation (alk-R<sup>2</sup>)

then reacting it with a compound of the formula (III)



where X<sup>1</sup> and R<sup>2</sup> are each as defined above,

in the presence of bases in a suitable solvent to give a compound of the formula (I), the product or the enantiomeric form.

17 (previously presented). The process of Claim 16, wherein compounds of the formula (III)



are used where

$X^1$  is Cl, Br, I, OMs or OTs.

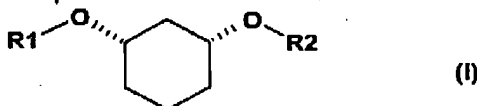
18 (previously presented). The process of Claim 17, wherein compounds of the formula (III)



are used where

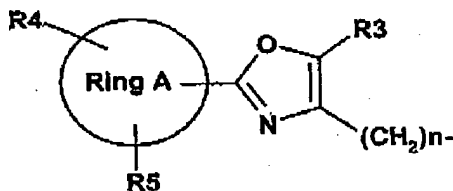
$X^1$  is Cl, Br or I.

19 (currently amended). The process of Claim 16, wherein a compound of the formula (I)



is prepared where:

$R^1$  is



where

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one or more heteroatoms from the group of N, O and S, fused/bicyclic 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

$R^3$  is H, CF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

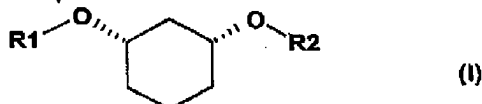
$R^4, R^5$  are H, F, Br, CF<sub>3</sub>, OCF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;

$n$  is from 1 to 2 and

$R^2$  is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F,

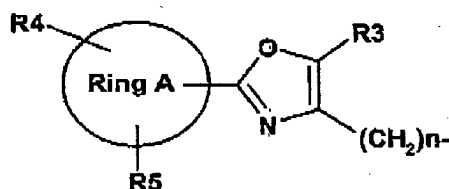
Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

20 (currently amended). The process of Claim 19, wherein a compound of the formula (I)



is prepared where:

R<sup>1</sup> is



where

ring A is phenyl;

R<sup>3</sup> is (C<sub>1</sub>-C<sub>4</sub>)-alkyl;

R<sup>4</sup>, R<sup>5</sup> are H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl;

n is 1 and

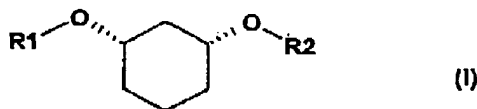
R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

21 (previously presented). The process as claimed in any of claims 16-20, wherein the compound of the formula (I) is (1R,3S)-2-[3-[2-(3-methoxyphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl]-6-methylbenzoic acid.

22 (previously presented). The process as claimed in any of claims 16-20, wherein the compound of the formula (I) is (1R,3S)-2-[3-[2-(4-methylphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl]-6-methylbenzoic acid.

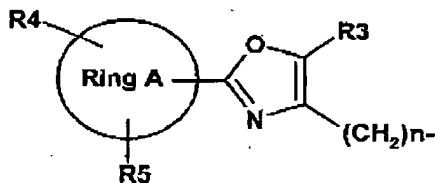


23 (currently amended). A process for preparing a chiral, nonracemic compound of the formula I



where:

R<sup>1</sup> is



where:

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one to four heteroatoms from the group of N, O and S, 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

R<sup>3</sup> is H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

R<sup>4</sup>, R<sup>5</sup> are H, F, Cl, Br, OH, NO<sub>2</sub>, CF<sub>3</sub>, OCF<sub>3</sub>, OCF<sub>2</sub>H, OCF<sub>2</sub>-CF<sub>3</sub>, OCF<sub>2</sub>-CHF<sub>2</sub>, SCF<sub>3</sub>, O-phenyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl-O-(C<sub>1</sub>-C<sub>3</sub>)-alkyl;

n is from 1 to 3;

and

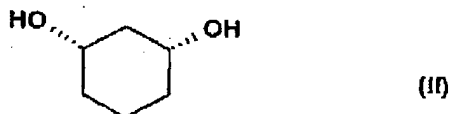
R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole;

which comprises

[[A)]]

a) alkylation (alk-PG)

reacting cis-1,3-cyclohexanediol of the formula (II)



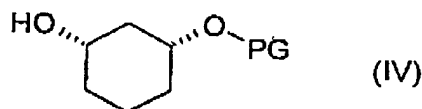
with a compound of the formula (IIIa)



where PG is an OH protecting group, for example: benzyloxymethyl, benzyl, para-methoxybenzyl or tert-butyldimethylsilyl; and

$X^1$  is Cl, Br, I, OMs, OTs, OTf;

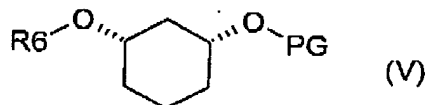
in the presence of bases in a suitable solvent to give a racemic compound of the formula (IV)



where PG is as defined above;

b1) enzymatic ester formation (EF) + separation (S)

subjecting the resulting compounds of the formula (IV) to stereoselective enzymatic ester formation (EF), in which the alcohols are admixed with an acyl donor and the enzyme in an organic solvent and the resulting mixture is stirred at -20 to 80°C and, after the reaction has ended, one stereoisomer is present as an ester of the formula (V)



where

$R^6$  is C(=O)-(C<sub>1</sub>-C<sub>16</sub>)-alkyl, C(=O)-(C<sub>2</sub>-C<sub>16</sub>)-alkenyl, C(=O)-(C<sub>3</sub>-C<sub>16</sub>)-alkynyl, C(=O)-(C<sub>3</sub>-C<sub>16</sub>)-cycloalkyl, where one or more carbon atoms may be replaced by oxygen atoms and be substituted by 1-3 substituents from the group of F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, hydroxyl, methoxy, ethoxy, phenyl and CO-O(C<sub>1</sub>-C<sub>4</sub>)-alkyl, CO-O(C<sub>2</sub>-C<sub>4</sub>)-alkenyl, which may in turn be substituted by 1-3 substituents from the group of F, Cl, Br, CF<sub>3</sub>, and

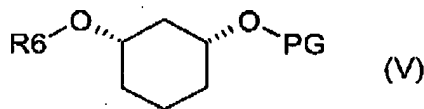
PG is as defined above,

and the other stereoisomer is present unchanged as the alcohol of the formula (IV), and are therefore separated from each other by utilizing their different chemical or physicochemical properties (separation S)

or

b2) enzymatic ester hydrolysis [=chemical esterification (CE) + enzymatic hydrolysis (EH)] + separation (S)

subjecting the resulting compound of the formula (IV) to a stereoselective enzymatic ester hydrolysis, in which the racemic alcohol is initially converted by chemical esterification (CE), for example by means of acid chloride  $R^6-Cl$  or acid anhydride  $R^6-O-R^6$ , in the presence of bases, to the racemic ester of the formula (V)



where  $R^6$  and PG are each as defined above,

which, to carry out the stereoselective enzymatic ester hydrolysis (EH), is then taken up in homogeneous or heterogeneous, aqueous, aqueous-organic or organic medium, and reacted, in the presence of an enzyme in the case of hydrolysis with water and in the case of alcoholysis with an alcohol, at a temperature of 10-80°C, and after the reaction has ended, one stereoisomer is present as the alcohol of the formula (IV) and the other is present unchanged as the ester of the formula (V) and can thus be separated from each other as described under b1), and

the enantiomer of the formula (IV) occurring as an alcohol is further processed as described under d), or

c) chemical hydrolysis (CH)

hydrolyzing the enantiomer of the formula (V) occurring as an ester to the chemically enantiomeric alcohol by known methods and

d) alkylation (alk-  $R^2$ )

reacting further with a compound of the formula (VI)



where

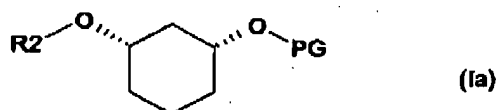
$R^2$  is as defined above and

$X^2$  is Cl, Br, I, OTs, OMs, OTf;

in the presence of bases in a suitable solvent to give the compound of the formula (Ia) as defined below, and

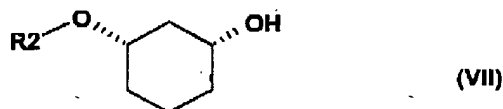
e) detachment of the protecting group PG (detPG)

converting the compound of the formula (Ia)



where  $R^2$  and PG are each as defined above,

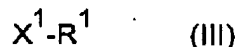
by detaching the protecting group by known methods to a compound of the formula (VII)



where  $R^2$  is as defined above,

f) alkylation (alk- $R^1$ )

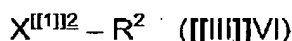
then reacting it with a compound of the formula (III)



where  $X^1$  and  $R^1$  are each as defined above,

in the presence of bases in a suitable solvent to give a compound of the formula (I), the product or the enantiomeric form.

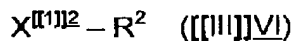
24 (currently amended). The process of Claim 23, wherein compounds of the formula ([III])VI)



are used where

$X^{[I]2}$  is Cl, Br, I, OMs or OTs.

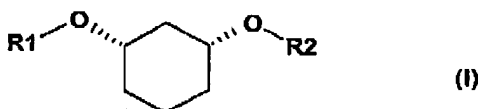
25 (currently amended). The process of Claim 24, wherein compounds of the formula ([III])VI)



are used where

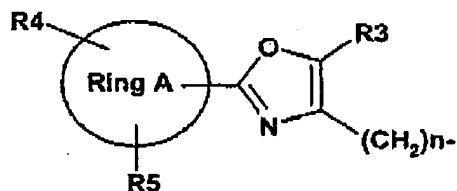
$X^{[I]2}$  is Cl, Br or I.

26 (currently amended). The process of Claim 23, wherein a compound of the formula (I)



is prepared where:

R<sup>1</sup> is



where

ring A is phenyl, 5-12 membered heteroaromatic ring which may contain from one or more heteroatoms from the group of N, O and S, fused/bicyclic 8 to 14 membered aromatic ring, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl;

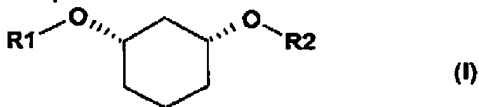
R<sup>3</sup> is H, CF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>3</sub>-C<sub>8</sub>)-cycloalkyl, phenyl;

R<sup>4</sup>, R<sup>5</sup> are H, F, Br, CF<sub>3</sub>, OCF<sub>3</sub>, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl;

n is from 1 to 2 and

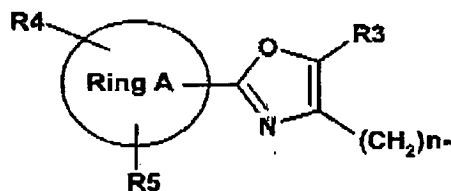
R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn maybe substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

27 (currently amended). The process of Claim 26, wherein a compound of the formula (I)



is prepared where:

R<sup>1</sup> is



where

ring A is phenyl;

R<sup>3</sup> is (C<sub>1</sub>-C<sub>4</sub>)-alkyl;

R<sup>4</sup>, R<sup>5</sup> are H, (C<sub>1</sub>-C<sub>4</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>4</sub>)-alkyl;

n is 1 and

R<sup>2</sup> is (C<sub>1</sub>-C<sub>8</sub>)-alkyl where one or more CH<sub>2</sub> groups in the alkyl groups may be replaced by O, CO, S, SO or SO<sub>2</sub>, and alkyl may be one to trisubstituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHBoc, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, tetrazole, thiazolidin-2,4-dione, indole and (C<sub>6</sub>-C<sub>10</sub>)-aryl, where thiazolidin-2,4-dione and aryl in turn may be substituted by F, Cl, Br, CF<sub>3</sub>, CN, NO<sub>2</sub>, NHAc, NHTs, NHBoc, NHCbz, NH-CO-C(CH<sub>3</sub>)<sub>3</sub>, hydroxyl, OCF<sub>3</sub>, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl, COOH, CO-benzyloxy, CO-O(C<sub>1</sub>-C<sub>6</sub>)-alkyl, (C<sub>1</sub>-C<sub>6</sub>)-alkyl, O-(C<sub>1</sub>-C<sub>6</sub>)-alkyl or tetrazole.

28 (previously presented). The process as claimed in any of claims 23-27, wherein the compound of the formula (I) is (1R,3S)-2-{3-[2-(3-methoxyphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl}-6-methylbenzoic acid.

29 (previously presented). The process as claimed in any of claims 23-27, wherein the compound of the formula (I) is (1R,3S)-2-{3-[2-(4-methylphenyl)-5-methyloxazol-4-ylmethoxy]cyclohexyl-1-oxymethyl}-6-methylbenzoic acid.